

AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

Listing of the Claims

1. (Currently Amended) A computer readable medium having a data structure for managing reproduction of at least still images recorded on the computer readable medium, comprising:

a data area storing at least one clip stream file, the clip stream file including video data representing at least one still image, and the clip stream file not including audio data;

a playlist area storing a playlist file, the playlist file including at least one playitem indicating an in-point and out-point of the clip stream file to reproduce at least one still image; and

an ~~clip information file~~ area ~~including~~ storing at least one clip information file, the clip information file associated with a ~~the data clip stream file recorded on the computer readable medium, the data file including at least video data, and the clip~~ information file including a type indicator and a mapping information, the type indicator indicating whether that the video data in the data file clip information file is related to managing the still image is for at least one still image; and, the mapping information mapping a presentation time to a unit of the clip stream file,

a data area storing the data file, wherein the clip information file further includes a length indicator indicating a length-size of the clip information file subsequent to the length indicator;

the video data in the data file is recorded as one or more packetized elementary stream packets;

~~each still image in the data file is recorded as a packetized elementary stream packet,~~

~~and~~

~~wherein the information file further includes mapping information, the mapping information mapping address information to a presentation time for the at least one still image.~~

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Currently Amended) The computer readable medium of claim 1, wherein the video data is recorded as one or more packetized elementary stream packets, each still image in the clip stream file is recorded as a packetized elementary stream packet, and ~~wherein~~ each packetized elementary stream packet includes at least one source packet.

6. (Previously Presented) The computer readable medium of claim 5, wherein each source packet includes at least one transport packet.

7. (Canceled)

8. (Canceled)

9. (Currently Amended) The computer readable medium of claim 1, wherein the video data of the data-clip stream file represents a still image and is recorded in the data area interleaved with other data.

10. (Previously Presented) The computer readable medium of claim 9, wherein the other data is at least one of movie data and audio data.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Currently Amended) A method of reproducing a data structure for managing reproduction of at least still images recorded on a computer readable recording medium, comprising:

reproducing at least one clip stream file, the clip stream file including video data representing at least one still image, and the clip stream file not including audio data;

reproducing a playlist file, the playlist file including at least one playitem
indicating an in-point and out-point of the clip stream file to reproduce at least one
still image; and

reproducing at least one clip information file ~~from the recording medium~~, the clip
information file associated with a ~~the data clip stream file recorded on the recording~~
~~medium, the data file including at least video data, and the clip~~ information file
including a type indicator and a mapping information, the type indicator indicating
~~whether that the video data in the data file~~ clip information file is related to managing
the still image for at least one still image; the mapping information mapping a
presentation time to a unit of the clip stream file,

~~wherein the data file is stored in a data area,~~

~~the video data is recorded in the data file as one or more packetized elementary~~
~~stream packets,~~

~~each still image is recorded in the data file as a packetized elementary stream~~
~~packet, and~~

wherein the clip information file further includes a length indicator indicating a
length-size of the clip information file subsequent to the length indicator,

and

~~wherein the information file further includes mapping information, the mapping~~
~~information mapping address information to a presentation time for the at least one~~
~~still image.~~

18. (Currently Amended) An apparatus for reproducing a data structure for
managing reproduction of at least still images recorded on a ~~recording computer~~
readable medium, comprising:

a pick up configured to reproduce data recorded on the ~~recording computer~~
readable medium;

a controller configured to control the pick up to reproduce at least one clip
stream file and a playlist file, the clip stream file including video data representing at
least one still image, and the clip stream file not including audio data, the playlist file
including at least one playitem indicating an in-point and out-point of the clip stream
file to reproduce at least one still image; and

a controller configured to control the pick up to reproduce at least one clip
information file ~~from the recording medium~~, the clip information file associated with a
~~data the clip stream file recorded on the recording medium, the data file including at~~
~~least video data, and the clip~~ information file including a type indicator and a mapping
information, the type indicator indicating whether that the video data in the data clip
information file is related to managing the for at least one still image; and, the
mapping information mapping a presentation time to a unit of the clip stream file,

wherein the clip information file further includes a length indicator indicating a
~~length-size~~ of the clip information file subsequent to the length indicator;

~~the video data in the data file is recorded as one or more packetized elementary~~
~~stream packets,~~

~~each still image in the data file is recorded as a packetized elementary stream~~
~~packets, and~~

~~wherein the information file further includes mapping information, the mapping~~
~~information mapping address information to a presentation time for the at least one~~
~~still image.~~

19. (Currently Amended) A method of recording a data structure for managing reproduction of at least still images recorded on a ~~recording~~ computer readable medium, comprising:

recording at least one clip stream file, the clip stream file including video data representing at least one still image, and the clip stream file not including audio data;

recording a playlist file, the playlist file including at least one playitem indicating an in-point and out-point of the clip stream file to reproduce at least one still image; and

recording at least one ~~clip~~ information file ~~on the recording medium~~, the ~~clip~~ information file associated with a ~~the data clip stream~~ file ~~recorded on the recording medium~~, the ~~data~~ file including at least video data, and the ~~clip~~ information file including a type indicator and a mapping information, the type indicator indicating ~~whether that the video data in the data file~~ clip information file is related to managing the still image ~~for at least one still image~~; the mapping information mapping a presentation time to a unit of the clip stream file,

~~wherein the data file is stored in a data area,~~

~~the video data is recorded in the data file as one or more packetized elementary stream packets, and~~

~~each still image is recorded in the data file as a packetized elementary stream packet,~~

~~wherein the ~~clip~~ information file further includes a length indicator indicating a length-size of the ~~clip~~ information file subsequent to the length indicator,~~

~~and~~

~~wherein the ~~information~~ file further includes mapping information, the mapping information mapping address information to a presentation time for the at least one still image.~~

20. (Currently Amended) An apparatus for recording a data structure for managing reproduction of at least still images recorded on a ~~recording computer~~ readable medium, comprising:

a pick up configured to record data on the ~~recording computer~~ readable medium;
and

a controller configured to control the pick up to record at least one clip stream file and a playlist file, the clip stream file including video data representing at least one still image, and the clip stream file not including audio data, the playlist file including at least one playitem indicating an in-point and out-point of the clip stream file to reproduce at least one still image; and

a ~~the~~ controller configured to control the pick up to record at least one clip information file ~~on the recording medium~~, the clip information file associated with a the data clip stream file recorded on the recording medium, the data file including at least video data, and the clip information file including a type indicator and a mapping information, the type indicator indicating whether that the video data in the data file clip information file is related to managing the for at least one still image, the mapping information mapping a presentation time to a unit of the clip stream file, and

a data area storing the data file, wherein the clip information file further includes a length indicator indicating a length size of the clip information file subsequent to the length indicator,

the video data in the data file is recorded as one or more packetized elementary stream packets,

each still image in the data file is recorded as a packetized elementary stream packets, and

~~wherein the information file further includes mapping information, the mapping information mapping address information to a presentation time for the at least one still image.~~

21. (Currently Amended) The method of claim 17, wherein the video data is recorded as one or more packetized elementary stream packets, each still image in the clip stream file is recorded as a packetized elementary stream packet, each packetized elementary stream packet includes at least one source packet and each source packet includes at least one transport packet.

22. (Currently Amended) The method of claim 17, wherein the video data ~~of the data file~~ represents a still image and is recorded in the data area interleaved with other data.

23. (Previously Presented) The method of claim 22, wherein the other data is at least one of movie data and audio data.

24. (Currently Amended) The apparatus of claim 18, wherein the video data is recorded as one or more packetized elementary stream packets, each still image in the clip stream file is recorded as a packetized elementary stream packet, each packetized elementary stream packet includes at least one source packet and each source packet includes at least one transport packet.

25. (Currently Amended) The apparatus of claim 18, wherein the video data ~~of the data file~~ represents a still image and is recorded in the data area interleaved with other data.

26. (Previously Presented) The apparatus of claim 25, wherein the other data is at least one of movie data and audio data.

27. (Currently Amended) The method of claim 19, wherein the video data is recorded as one or more packetized elementary stream packets, each still image in the clip stream file is recorded as a packetized elementary stream packet, each packetized elementary stream packet includes at least one source packet and each source packet includes at least one transport packet.

28. (Currently Amended) The method of claim 19, wherein the video data ~~of the data file~~ represents a still image and is recorded in the data area interleaved with other data.

29. (Previously Presented) The method of claim 28, wherein the other data is at least one of movie data and audio data.

30. (Currently Amended) The apparatus of claim 20, wherein the video data is recorded as one or more packetized elementary stream packets, each still image in the clip stream file is recorded as a packetized elementary stream packet, each packetized elementary stream packet includes at least one source packet and each source packet includes at least one transport packet.

31. (Currently Amended) The apparatus of claim 20, wherein the video data ~~of the data file~~ represents a still image and is recorded in the data area interleaved with other data.

32. (Previously Presented) The apparatus of claim 31, wherein the other data is at least one of movie data and audio data.

33. (New) The computer readable medium of claim 19, wherein the other data is at least one of movie data and audio data.